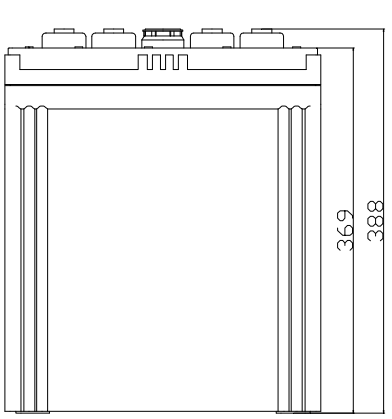
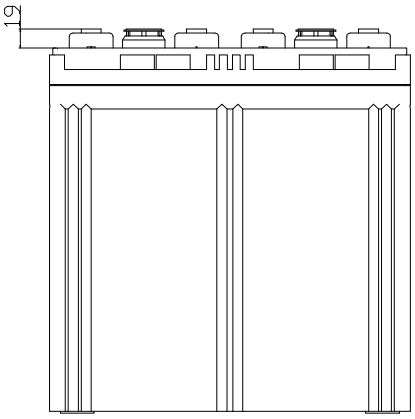
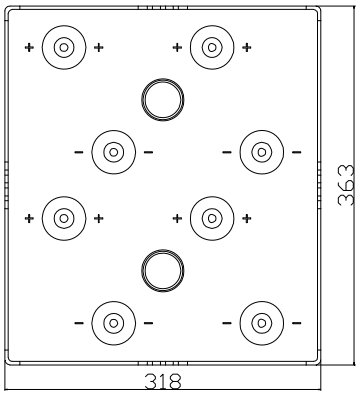
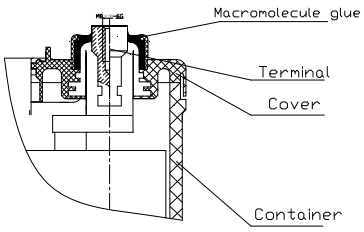
Valve-regulated Lead Acid Batteries GFM series are widely utilized as standby power supply for communication and signal syatem such as telecommunication, mobile station, and railway etc., backup power supply for UPS and emergency illumination.
The design life of the GFM-1600 is 15 years.

GFM-1600









Normal Voltage	2V
Capacity	1600 Ah @ 10hr to 1.80V per cell @ 25℃
Weight	Approx. 100 kg (220 lbs)
Internal Resistance (full charged)	Approx. 0.20mΩ @ 25℃
Maximum Discharge Current	9900A (5sec)
Self Discharge @ 25℃	No more than 3 % after 30 days storage
Operating Temperature Range	Discharge: -40℃～50℃ Charge: -20℃～45℃ Storage: -20℃～40℃
Recommended Operating Temperature	15℃～25℃
Maximum Charging Current Limited	320A
Charging Voltage @ 25℃	Float: 2.23 V, Temps coefficient -3 mV/℃ Cycle: 2.35 V
Contain Materials	ABS
Terminal	M8 and HPb59-1

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GFM-1600

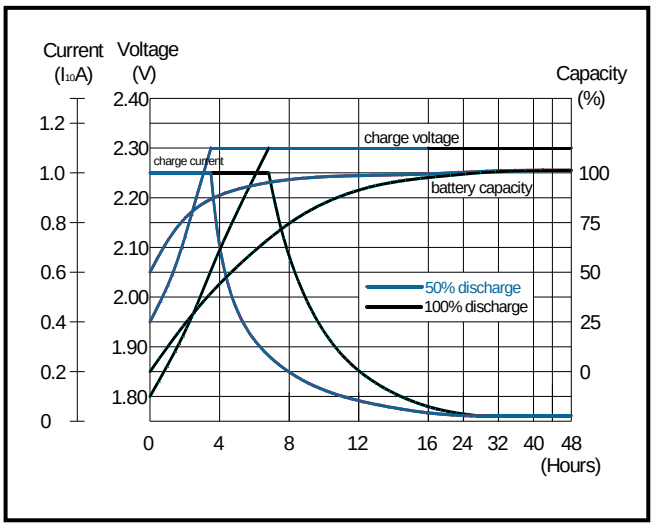
Constant Current Discharge Characteristics Unit: A (25℃)

F.V/Time	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.90V	691	573	461	344.3	290.4	237.5	204.9	175.2	142.7
1.85V	825	651	493	379.2	310.6	258.7	220.6	186.1	154.4
1.80V	879	670	523	402.8	322.1	273.1	241.2	191.1	161.2
1.75V	933	702	548	413.2	328.8	278.8	245.1	195.0	163.1
1.70V	973	733	565	421.7	333.7	282.7	248.0	197.0	164.1
1.65V	999	747	578	425.5	337.5	283.7	250.0	198.0	165.0

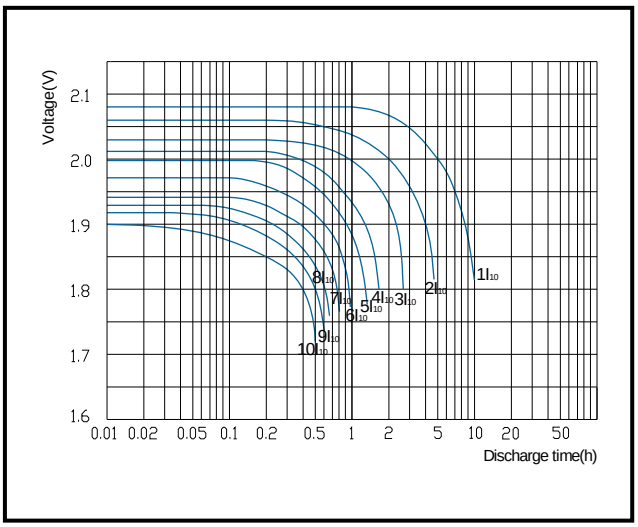
Constant Power Discharge Characteristics Unit: W/cell (25℃)

F.V/Time	1h	1.5h	2h	3h	4h	5h	6h	8h	10h
1.90V	1356	1131	913	691.5	585.6	480.8	413.7	355.4	290.3
1.85V	1594	1268	966	752.8	621.2	518.3	443.1	374.3	311.7
1.80V	1673	1295	1016	792.5	641.3	546.2	482.4	384.2	322.3
1.75V	1758	1346	1056	809.4	651.9	553.8	490.2	390.1	326.2
1.70V	1806	1394	1083	821.7	660.6	560.6	495.1	393.1	329.1
1.65V	1832	1407	1100	826.4	664.4	563.5	498.0	394.1	330.1

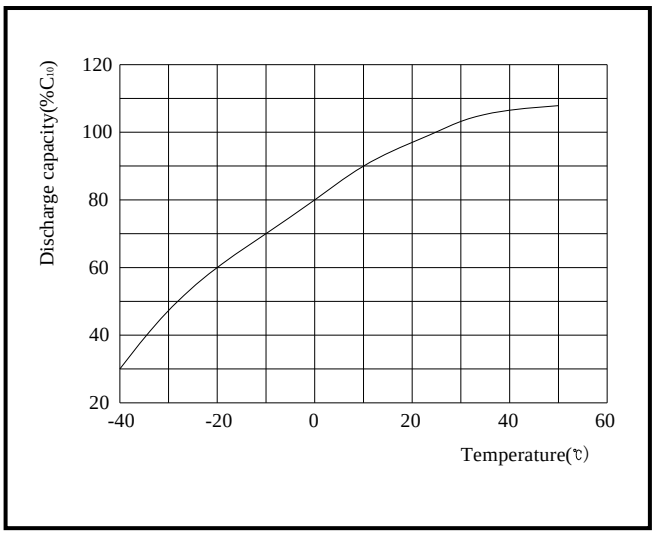
Constant Voltage Charge Characteristics



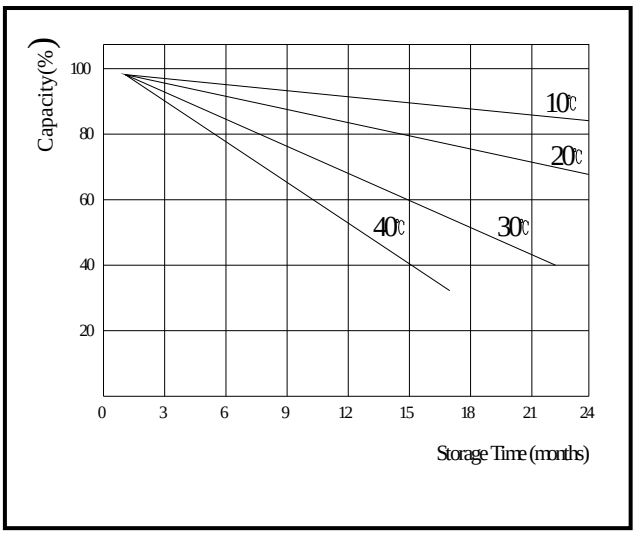
Discharge Performance at Different Discharge Rate



Capacity at Different Temperature



Curve of Storage Time and Self-discharge at Different Temperature



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